TECHNICAL CHARACTERISTICS - PORCELAIN TILES (BIa - GL)

	Test Description	Standard Test Method	International Standard ISO 13006	RAK Ceramics Specifications (Rectified)	RAK Ceramics Specifications (Unrectified)
	**Length & Width**	BS EN ISO 10545-2	+/- 0.6%	+/- 0.1%	+/- 0.3%
	**Thickness**	BS EN ISO 10545-2	+/-5.0%	+/- 5.0%	+/- 5.0%
	**Rectangle Squareness**	BS EN ISO 10545-2	+/- 0.5%	+/- 0.2%	+/- 0.4%
	**Straightness of sides**	BS EN ISO 10545-2	+/- 0.5%	+/- 0.2%	+/- 0.3%
	**Surface Flatness**	BS EN ISO 10545-2	+/- 0.5%	+/- 0.3%	+/- 0.3%
	**Water Absorption**	BS EN ISO 10545-3	<=0.5%	<=0.4%	<=0.4%
	**Modulus of Rupture**	BS EN ISO 10545-4	>=35 N/mm2	>=40 N/mm2	>=40 N/mm2
	**Breaking Strength**	BS EN ISO 10545-4	>=1300N	>=1600N	>=1600N
	**Resistance to surface abrasion**	BS EN ISO 10545-7	Manufacturer to state Abrasion Class	PEI Class 2 -5	PEI Class 2 -5
	**Linear Thermal Expansion**	BS EN ISO 10545-8	<=9x10^{-6}°C^{-1}	<=7x10^{-6}°C^{-1}	<=7x10^{-6}°C^{-1}
	**Resistance to Thermal Shock**	BS EN ISO 10545-9	No visible defect	No visible defect	No visible defect
	**Crazing Resistance**	BS EN ISO 10545-11	No crazing	No crazing	No crazing
	**Frost Resistance**	BS EN ISO 10545-12	No visible damage	No visible damage	No visible damage
	**Resistance to chemicals**	BS EN ISO 10545-13	No visible defect	No visible defect	No visible defect
	**Resistance to stains**	BS EN ISO 10545-14	Manufacturer to state class	Stain removed Min.class 4	Stain removed Min.class 4
	**Colour Resistance to UV Light**	DIN 51094	No change in colour	No change in colour	No change in colour

Note : Shade variation across the batches is inherent to the manufacturing process and the pre-laying colour comparison is recommended